

PULLED/NOT COMPLETE

Work Order ID 127152

127152

Page 1

Tuesday, December 09, 2014 11:47:36 AM

Item ID: 41228-200-006-004

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Cover Assembly, RH

Start Date: 12/09/14 Start Qty: 1.00

1

Cust Item ID:

Required Date: 12/12/14 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: 

Date: 14-12-09

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

41228-200-006

G2

110

110

Small Fab

Memo

Small Fab

MANUFACTURE AS PER DWG'S

0.00

0.00

120

120

QC

QC5- Inspect part completeness to step on W/O

0.00

Memo

Quality Control

0.00

130

130

Packaging

Identify as per dwg & Stock Location: _____

0.00

Memo

Packaging

0.00

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Page 2

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Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run

Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

140

QC21 - Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

Closed as
incomplete
write up

12/17/15-24

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



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Picklist Print

Page 1

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Parent Item: 41228-200-006-004

41228-200-006-004

Parent Item Name: Cover Assembly, RH

Start Date: 12/09/14

Required Date: 12/12/14

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 14.10.15 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

41228-301-005-002		Manufactured	No				Each	8.0000		1			
-------------------	--	--------------	----	--	--	--	------	--------	--	---	--	--	--

41228-301-005-002

412 Placard

Location

Loc Qty

Loc Code

CA

8

M129682

8

41228-301-088-002		Manufactured	No				Each	1.0000		1			
-------------------	--	--------------	----	--	--	--	------	--------	--	---	--	--	--

41228-301-088-002

Cover, Vent/Filler Cap, RH

KE 14/09/12

Location

Loc Qty

Loc Code

CA

1

m129682

1

41228-301-088-004		Manufactured	No				Each	1.0000		1			
-------------------	--	--------------	----	--	--	--	------	--------	--	---	--	--	--

41228-301-088-004

Hinge Mount, RH

Location

Loc Qty

Loc Code

CA

1

m129682

1

D5157-041		Manufactured	No				Each	1.0000		1			
-----------	--	--------------	----	--	--	--	------	--------	--	---	--	--	--

D5157-041

Hinge Assembly

KE 14/09/12

Location

Loc Qty

Loc Code

CA

1

124897

1

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Doc/Data									
Equip/Tooling									
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Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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• **Picklist Print**

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Work Order ID: 127152

127152

Parent Item: 41228-200-006-004

41228-200-006-004

Parent Item Name: Cover Assembly, RH

Start Date: 12/09/14

Required Date: 12/12/14

Start Qty: 1.00

Required Qty: 1.00

20528-301-007-002 Purchased No

Each 3.0000 1

20528-301-007-002

Stencil

Location

Loc Qty

Loc Code

CA

3

m129682

3

41228-301-006-007 Manufactured No

Each 2.0000 1

41228-301-006-007

Stencil

Location

Loc Qty

Loc Code

CA

2

M129682

2

20528-301-007-004 Purchased No

Each 6.0000 2

20528-301-007-004

Stencil

Location

Loc Qty

Loc Code

CA

6

M129682

6

20528-301-007-005 Purchased No

Each 11.0000 1

20528-301-007-005

212/412 Stencil

Location

Loc Qty

Loc Code

CA

11

M129682

11

41228-700-009-003 Purchased No

Each 6.0000 1

41228-700-009-003

Decal

Location

Loc Qty

Loc Code

ST571

6

125709

6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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127152

Parent Item: 41228-200-006-004

41228-200-006-004

Parent Item Name: Cover Assembly, RH

Start Date: 12/09/14

Required Date: 12/12/14

Start Qty: 1.00

Required Qty: 1.00

41228-700-009-001

Manufactured

No

Each

13.0000

1

41228-700-009-001

Decal

Location

Loc Qty

Loc Code

CA

13

m129682

7

m2129575

6

NAS1149D0363J

Purchased

No

Each

1,423.000

8

NAS1149D0363.J

Washer

Location

Loc Qty

Loc Code

FP001

100

m126319

100

GA

7

124392

7

ST260a

428

m130799

428

ST269

888

m123441

5

m126319

125

m128429

733

m130358

25

H5000-2-072-188

Purchased

No

Each

5.0000

1

H5000-2-072-188

TRIGGER LATCH

Location

Loc Qty

Loc Code

CA

5

M130034

5

DQA: _____ Date: _____



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Parent Item Name: Cover Assembly, RH

Start Date: 12/09/14

Required Date: 12/12/14

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-3 Purchased No

Each 873.0000 4

~~CR3213-4-3~~

**

Cherry Rivet

KC 14/09/12

CC R274CS-3-4

M 130662

Location

Loc Qty

Loc Code

CCK004

873

123301

773

m129541

100

4

MS21044N3 Purchased No

Each 46.0000 4

MS21044N3

**

NUT

KC 14/09/12

Location

Loc Qty

Loc Code

ST303

46

m129541

46

4

MS27039-08-08 Purchased No

Each 164.0000 4

MS27039-08-08

**

Screw

KC 14/09/12

Location

Loc Qty

Loc Code

ST282

164

m130799

164

4

8568K381 Purchased No

Each 0.0000 1

8568K381

**

Neoprene Rubber

M 129682

KC 14/09/12

MS27039-1-08 Purchased No

Each 1,500.000 4

MS27039-1-08

**

Screw

KC 14/09/12

Location

Loc Qty

Loc Code

ST285

1500

m125654

3

m126319

8

m128636

1489

4

DQA: _____ Date: _____



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Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
--	--	---	--

Picklist Print

Page 5

Tuesday, December 09, 2014 11:47:45 AM

Work Order ID: 127152

127152

Parent Item: 41228-200-006-004

41228-200-006-004

Parent Item Name: Cover Assembly, RH

Start Date: 12/09/14

Required Date: 12/12/14

Start Qty: 1.00

Required Qty: 1.00

NAS1149DN832J

Purchased

No

Each

689.0000

**

3 / 4

NAS1149DN832.J

Washer

Location

Loc Qty

Loc Code

MF4

204

M129541

204

ST260a

145

124555

145

ST270

340

M128948

127

M126319

11

M127255

4

M128429

145

M129499

53

Tuesday, December 09, 2014 11:47:45 AM

Shop Packet Print

Page 5

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03751				SHEET 1 OF 1	
	DWG NO. 41228-200-006		REV: G	PREPARED BY B. PETERS	DATE: 12/14/12	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: TANK ASSY					
	APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: NEXT ORDER		
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED F/N 74.					

**CONTROL COPY
ISSUED DATE**

JAN 0 8 2013

[Handwritten Signature]
14-12-09
127/52

SHEET 2, BOM IS:

74	R	601.1951	3	3			WASHER	NAS1149DN832J	
F/N	TC	PART NUMBER	-001	-002	-003	-004	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:			☐ RFMS ☐ MDL ☐ INSTALL INSTRUC ☐ ICA ☒ BOM				CHANGE CATEGORY ☐ MAJOR ☒ MINOR	DER REVIEW REQUIRED ☐ YES ☒ NO	

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03712				SHEET 1 OF 1	
	DWG NO. 41228-200-006		REV: G	PREPARED BY B. PETERS	DATE: 11/26/12	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: TANK ASSY					
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER		
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED F/N 81.					

**CONTROL COPY
ISSUED DATE
DEC 03 2012**

81	R	649.6001			1	1	ADAPTER, FUEL, ANTI-SIPHONING		
F/N	TC	PART NUMBER	-004	-003	-002	-001	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED: ☐ RFMS ☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM							CHANGE CATEGORY ☐ MAJOR ☒ MINOR	DER REVIEW REQUIRED ☐ YES ☒ NO	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

- 28 MCMaster CARR P/N 7566K23
- 28 MCMaster CARR P/N 8568K381 50A DUROMETER
- 28 VENDOR: HARTWELL CORPORATION
- 28 VENDOR: THIKOL/TCM INC., ST. LOUIS, MO.
- 28 VENDOR: CLICK BOND, CARSON CITY, NEV
- 28 VENDOR: BELL HELICOPTER, FT. WORTH, TX.
- 28 DELETED
- 28 VENDOR: SHAW AERO DEVICES, FT. MYERS, FLA.
- 28 VENDOR: AEROQUIP, JACKSON, MICH.
- 18 ALT. P/N PS4023H000DF300A
- 18 ALT. P/N PS4023H000DF316A
- 18 ALT. P/N PS4023M000DT266A
- 18 ALT. P/N PS4023M000DT282A
- 18 ALT. P/N 11728-400-001-021
- 18 PART OF 41228-201-004-005 AND 41228-201-004-006
- 18 INSTALLED DURING FINAL INSTALLATION
- 18 ATTACH F/N 113 USING THE ADHESIVE TAPE TO THE FUEL RETURN FAIRING LOCATED APPROXIMATELY AS SHOWN. ROUTE THE WIRES CONNECTING THE ELECTRIC DRAIN VALVES OVER F/N 113 AND SECURE USING F/N 114.
- 18 DRILL A 7/16" DIAMETER HOLE IN THE FUEL RETURN FAIRING LOCATED APPROXIMATELY AS SHOWN. INSTALL GROMMET, F/N 87, IN THE HOLE AND ROUTE THE WIRES CONNECTING THE ELECTRIC DRAIN VALVES THROUGH THE GROMMET
- 18 USE 5 LOOP CLAMPS, F/N 86, TO SECURE THE TANK WIRING HARNESS, F/N 31 OR 32, TO THE SCREWS CONNECTING THE TANK CLOSURE TO THE TANK SHELL
- 18 USE 7 LOOP CLAMPS, F/N 85, TO SECURE THE WIRES RUNNING BETWEEN THE ELECTRIC DRAIN VALVES TO THE SCREWS CONNECTING THE TANK CLOSURE TO THE TANK SHELL
- 18 SHRINK HEAT SHRINK TUBING, F/N 84, A/R AROUND THE ENTIRE LENGTH OF THE WIRES RUNNING BETWEEN THE TWO ELECTRIC DRAIN VALVES
- 18 USE THIN WASHERS, NAS1149D0332J, APICAL P/N 601.2182, AS AN ACCEPTABLE ALTERNATE AS REQUIRED
- 18 USE ALTERNATE LENGTH MS27039-1 SCREWS AS AN ACCEPTABLE ALTERNATE AS REQUIRED
- 18 ALTERNATE LATCH HARTWELL P/N H-5000-2-081-250 VENDOR: AIRCRAFT SPRUCE VENDOR P/N: 05-01113
- 18 CUT NEOPRENE SHEET, F/N 108, TO FIT CONTOUR OF HINGE MOUNT. REF DRAWING 41228-301-097
- 18 ALTERNATE SEALANT: PRO-SEAL 890 CLASS B TYPE II
- 18 O-RING F/N 106, SENT AS AS PART OF ANTI SIPHONING FUEL ADAPTER, F/N 81
- 18 GROUND PER MIL-B-5087B CLASS L.

- 18 ALT P/N: ERA P/N PS4023H000AF300A
- 18 ALT P/N: ERA P/N PS4023H000AF316A
- 18 ALT MS25083 SERIES JUMPER ACCEPTABLE
- 18 BOND NUT PLATES TO FAIRING USING CB200-40 ADHESIVE
- 18 VENDOR: MCMaster CARR
- 18 VENDOR: 3M, ST. PAUL, MN.

NOTE:

UNINCORPORATED ECN(S)

03712, 03751

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REMOVED CROSS FEED FUNCTION FROM TANK ASSEMBLY. CHG. P/N & NAME OF ITEM 23. DELETED ITEM 10, 19, 28, 35, 49, 57, 60, 67, 76, 84, 87, 88, 89, 90, 91, & 93. CHG. QTY. OF ITEM 8, 44, 45, 46, 55, 63, 64, 65, 71, 72, 73, 75, 77, 84, 89, 96, 98, 106, & 107. CHG. P/N OF ITEM 9, 24, 35, 41, 43, & 83. REVISED DETAILS A & A-1 TO SHOW FILLER CAP COVER. ADDED ITEMS 24A, 98 THRU 113. ADDED SHEET 3A FOR LIST OF MATERIAL. ADDED TORQUE NOTE TO SHITS 7, 8, 10, 11.	04-04-03	HARVILL
B	DELETED ITEM 3, 44, 50, 56, 57, 75, 84, 85, 86 & 113. CHG. DASH NO. OF ITEM 96, 99, & 111. CHG. P/N OF ITEM 110 & 112. CHG. QTY. OF ITEM 71, 99, 110, & 111.	06-15-04	HARVILL
C	DELETED ITEMS 60, 98 & 107. CHG. QTY. OF 6, 58 & 59 ON L/M & F/O.	06-09-05	
D	INCORPORATED ECN 01897, 01909, 01943 & 01954	10-12-07	P. BRAVO
E	INCORPORATED ECN 02978	11-17-10	P. BRAVO
F	INCORPORATED ECN 03013, 03040, 03056 & 03075	03-14-11	P. BRAVO
G	INCORPORATED ECN 03114	05-17-11	P. BRAVO

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1 2 3 4 5 6 7 8

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

			91	DELETED		
			90	DELETED		
			89	DELETED		
			88	DELETED		
1	1	87	601.2489	GROMMET	MS35489-6	△
5	5	86	601.1592	LOOP CLAMP	MS21919WDG6	△
7	7	85	601.1823	LOOP CLAMP	MS21919WDG2	△
10	10	84	601.1512	HEAT SHINK TUBE	MS23053/3-105-0	△
1	1	83	41228-301-090-001	FITTING		
1	1	82	39051-3	FILL CAP ASSY		△
1	1	81	649.6001	ADAPTER, FUEL, ANTI SIPHONING		△
AR	AR	80	MC215 B-2	SEALANT		△
3	3	79	MS29513-270	O-RING (ALL PLATES)		
2	2	78	11728-550-002-001	GASKET (ANTI-SIPHON)		
1	1	77	MS29513-215	O-RING (FUEL RETURN HOSES)		
		76	DELETED			
		75	DELETED			
3	3	74	601.1951	WASHER	NAS11490N832J	
102	102	73	NAS11490D463J	WASHER		
8	8	72	601.1718	WASHER	NAS11490D383J	△
75	75	71	601.2943	NUT	MS21042-3	
		70	DELETED			
6	6	69	MS27039-4-14	SCREW	MS27039-4-14	
6	6	68	601.2649	SCREW	MS27039-4-12	
		67	DELETED			
75	75	66	601.1949	SCREW	MS27039-1-11	△
57	57	65	601.1365	SCREW	MS27039-1-10	△
2	2	64	601.3137	SCREW	MS27039-08-16	
1	1	63	MS25083-6CD9	JUMPER ASSY		△
1	1	62	MS21919WH3	CLAMP		
		61	DELETED			
50	50	60	CB2009CR3CR	NUTPLATE		△
24	24	59	AN4-6A	BOLT		
48	48	58	AN4-5A	BOLT		
		57	DELETED			
			41228-200-006-004	R/H COVER ASSY		
			41228-200-006-003	L/H COVER ASSY		
			41228-200-006-002	R/H TANK ASSY		
			41228-200-006-001	L/H TANK ASSY		
-004	-003	-002	-001	FIND No.	PART No.	SPEC

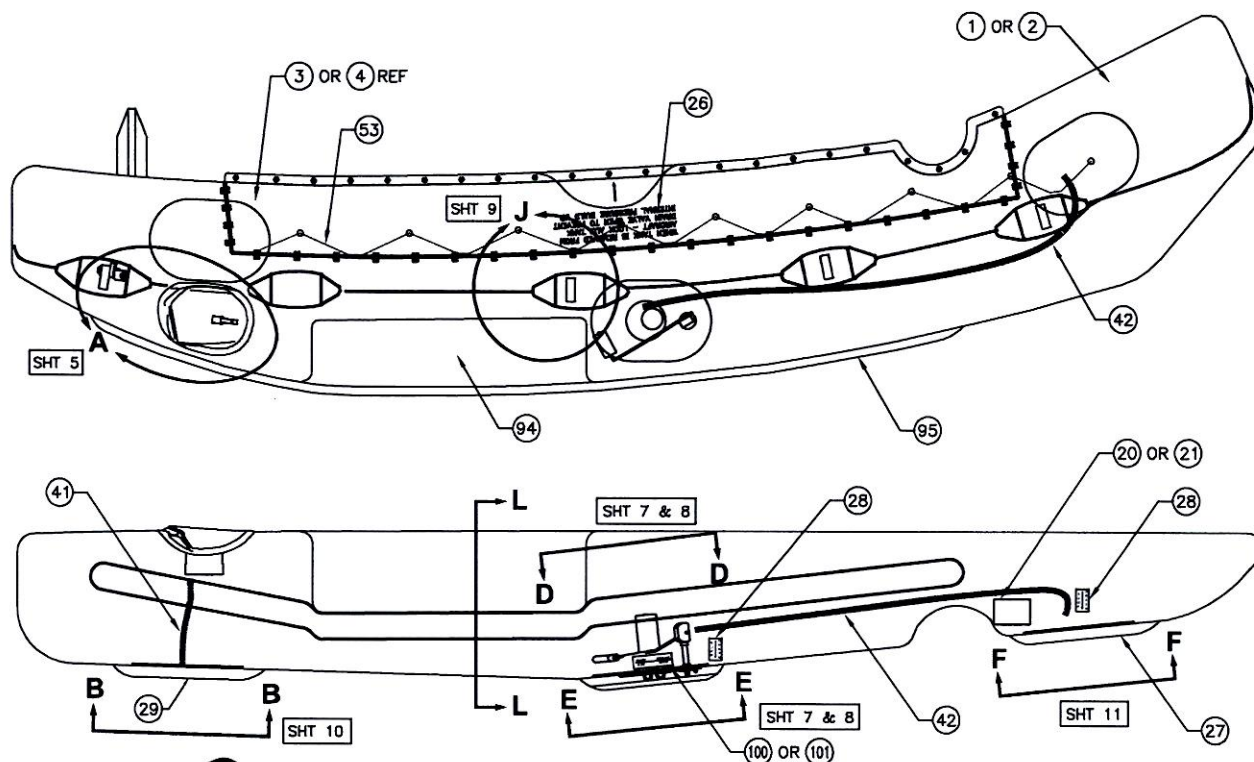
			56	DELETED		
4	4	55	601.2823	BOLT	AN3-4A	
2	2	54	W1034BHG	SWITCH		△
44	44	53	600.0407	NYLON CORD	MIL-C-5040 TYPE III	
		52	DELETED			
		51	DELETED			
		50	DELETED			
		49	DELETED			
1	1	48	AE85789M	PLUG		△
1	1	47	AE85789H	PLUG		△
1	1	46	AE85691M	FITTING		△
1	1	45	AE85668H	FITTING		△
		44	DELETED			
1	1	43	975-0001-01	VENT VALVE		△
1	1	42	AE1011664H0480	HOSE ASSY (INTERNAL FUEL)		△
1	1	41	41228-301-083-001	HOSE ASSY (INTERNAL VENT)		△
1	1	40	124K002-BCR0300	HOSE ASSY (R/H SMALL FUEL RETURN)		△
1	1	39	124K002-BCR0316	HOSE ASSY (L/H SMALL FUEL RETURN)		△
1	1	38	PS4023M000AT266A	HOSE ASSY (R/H LARGE FUEL RETURN)		△
1	1	37	PS4023M000AT282A	HOSE ASSY (L/H LARGE FUEL RETURN)		△
		36	DELETED			
1	1	35	41228-700-009-001	DECAL (FUEL)		
1	1	34	41228-202-153-001	RING, ADAPTER PLATE		
1	1	33	41228-700-009-003	DECAL (GROUND HERE)		△
		32	41228-400-009-005	L/H TANK WIRING HARNESS		
		31	41228-400-009-004	R/H TANK WIRING HARNESS		
		30	DELETED			
1	1	29	20528-301-007-005	STENCIL (VENT)		
2	2	28	20528-301-007-004	STENCIL (SUMP DRAIN)		
1	1	27	20528-301-007-002	STENCIL		
1	1	26	41228-301-006-007	STENCIL		
1	1	25	41228-203-049-003	INSTL. LIGHTNING GUARD		
1	1	24A	41228-202-135-004	R/H FUEL RETURN PLATE ASSY		
1	1	24	41228-202-135-003	L/H FUEL RETURN PLATE ASSY		
1	1	23	41228-202-154-001	VENT PLATE		
			41228-200-006-004	R/H COVER ASSY		
			41228-200-006-003	L/H COVER ASSY		
			41228-200-006-002	R/H TANK ASSY		
			41228-200-006-001	L/H TANK ASSY		
-004	-003	-002	-001	FIND No.	PART No.	SPEC
QTY	REQ'D					
NEXT ASSY(S)				PARTS LIST		
				ORIGINAL DATE 04-18-01 DRAWN BY D JENSEN CHECKED HANWELL DRAWING APPROVAL CONTRACT No. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS SHALL BE 16 1 PLACE DECIMALS ±.00 OTHERWISE ±.00		
				APICAL INDUSTRIES, INC. TANK ASSY		
				SIZE B CASE CODE 41228-200-006 SCALE SCALE SHEET 2 OF 10		

D

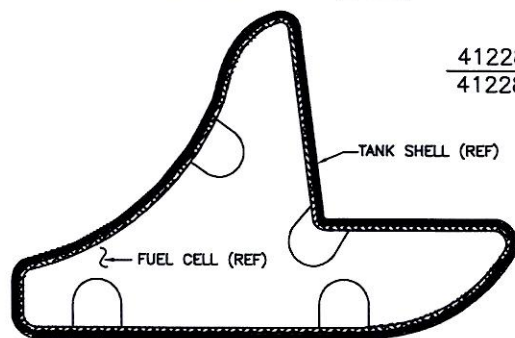
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THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



41228-200-006-001 L/H TANK ASSY (SHOWN)
41228-200-006-002 R/H TANK ASSY (OPPOSITE)

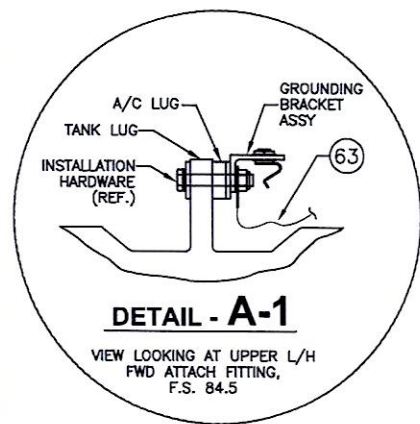
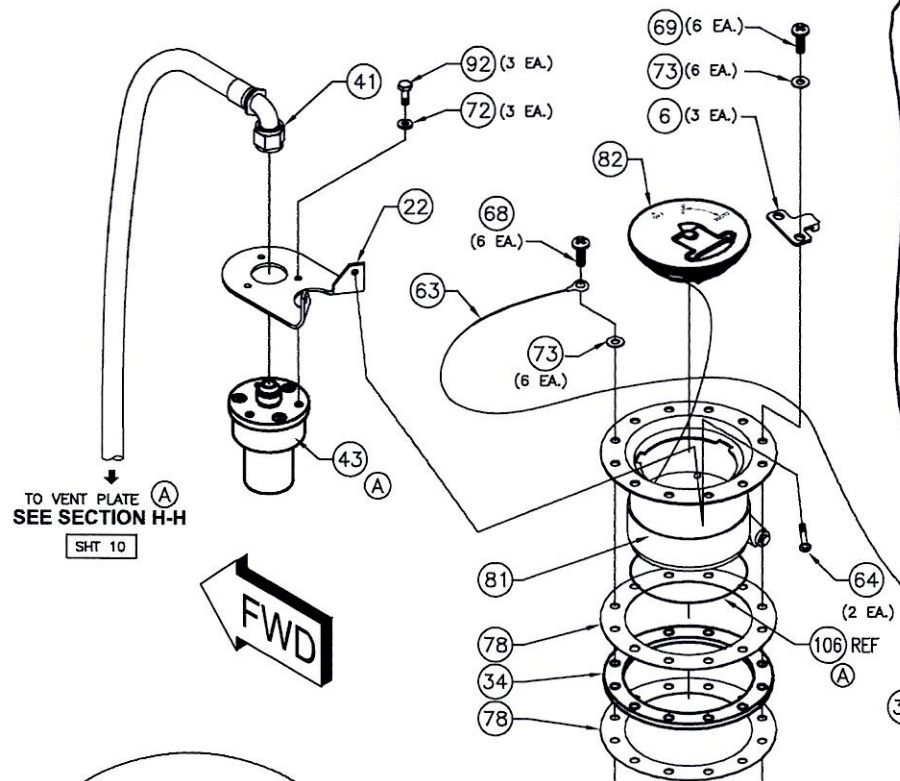


SECTION - L-L
VIEW OF FUEL CELL IN TANK SHELL

ORIGINAL DATE: 04-18-01 (NO-DA-VS)		APICAL INDUSTRIES, INC. 1000 N. 10TH ST. CHAS. 701-000	
DRAWN BY: CLIVE SCHMIDT CHECKED BY: HANWELL		TANK ASSY	
CONTRACT No.		REV G	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES FRACTIONS ARE 16, 32, 64, 128, 256, 512, 1024, 2048, 4096, 8192, 16384, 32768, 65536, 131072, 262144, 524288, 1048576, 2097152, 4194304, 8388608, 16777216, 33554432, 67108864, 134217728, 268435456, 536870912, 1073741824, 2147483648, 4294967296, 8589934592, 17179869184, 34359738368, 68719476736, 137438953472, 274877906944, 549755813888, 1099511627776, 2199023255552, 4398046511104, 8796093022208, 17592186044416, 35184372088832, 70368744177664, 140737488355328, 281474976710656, 562949953421312, 1125899906842624, 2251799813685248, 4503599627370496, 9007199254740992, 18014398509481984, 36028797018963968, 72057594037927936, 144115188075855872, 288230376151711744, 576460752303423488, 1152921504606846976, 2305843009213693952, 4611686018427387904, 9223372036854775808, 18446744073709551616, 36893488147419103232, 73786976294838206464, 147573952589676412928, 295147905179352825856, 590295810358705651712, 1180591620717411303424, 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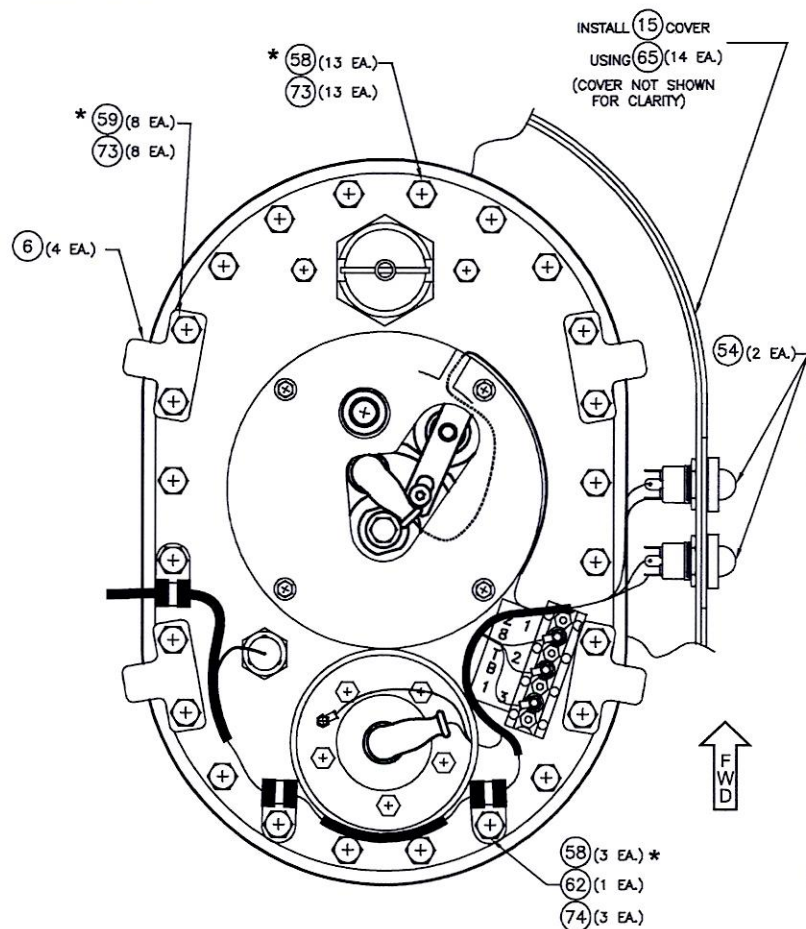
DETAIL - A
FILLER PORT / VENT VALVE ASSY

41228-200-006-003 L/H COVER ASSY (SHOWN)
41228-200-006-004 R/H COVER ASSY (OPPOSITE)

ORIGINAL DATE (MO-DA-YR)	04-18-01
DRAWN BY J. NELSON	CHECKED W. NELSON
DRAWING APPROVAL	
CONTRACT No.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± 1°	
REV B	DATE CODE 07/02/05
SCALE	SCALE
	41228-200-006
	REV G
	SHEET 5 OF 10

1 2 3 4 5 6 7 8

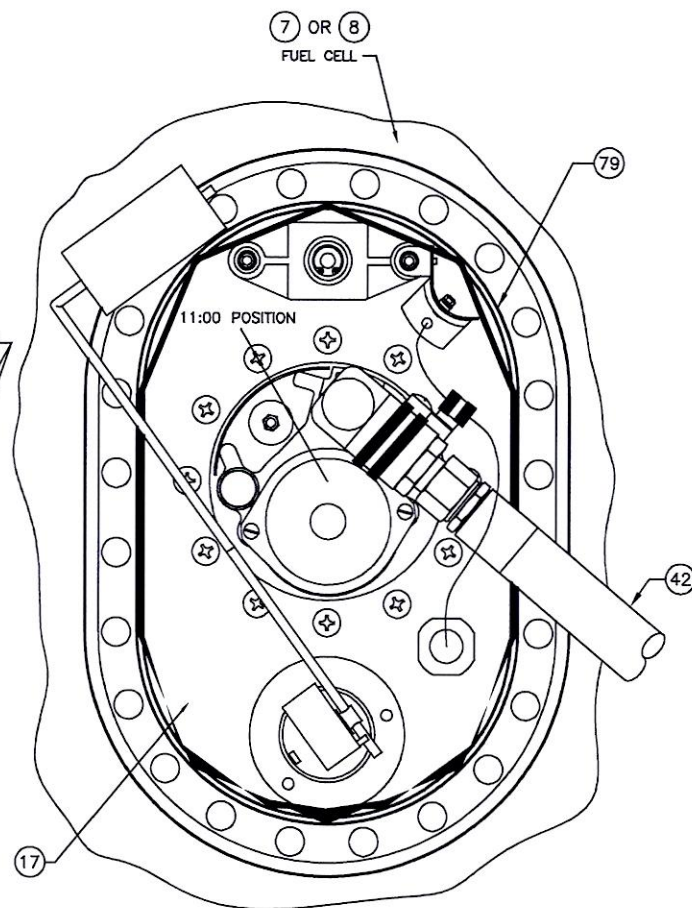
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



SECTION - E-E SHT 4
VIEW LOOKING UP

L/H TANK

* TORQUE 50-80 IN/LBS.

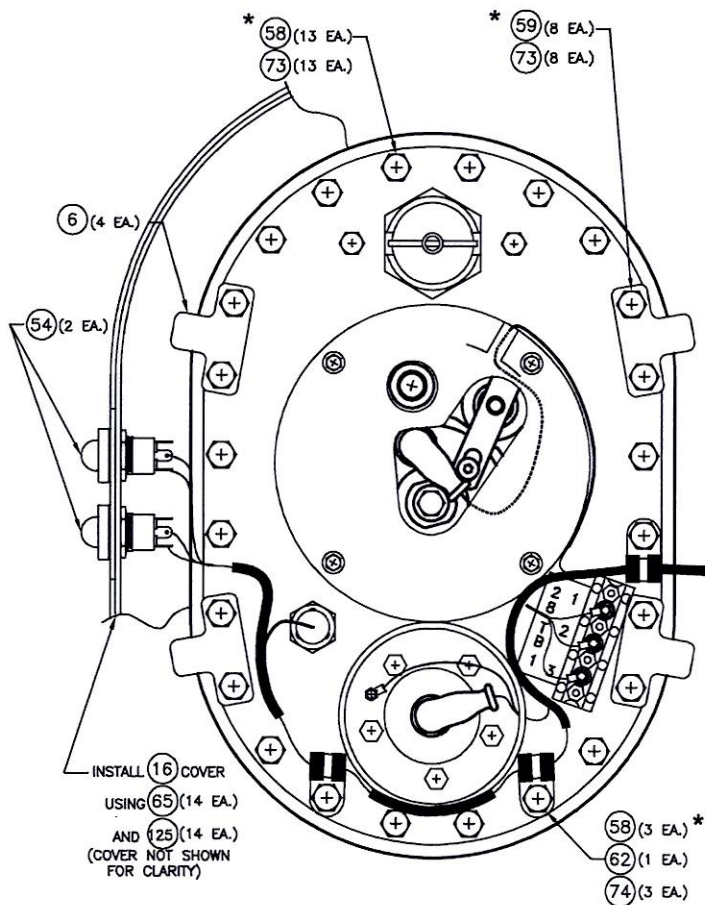


SECTION - D-D SHT 4
VIEW LOOKING DOWN

ORIGINAL DATE: 04-18-01 (MO-DA-YR)		DRAWN BY: CHUCKER	
CHECKED BY: G. JENSEN		APPROVED BY: HANSELL	
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES FRACTIONS ARE 16, 32, 64, 128, 256, 512, 1024, 2048, 4096, 8192, 16384, 32768, 65536, 131072, 262144, 524288, 1048576, 2097152, 4194304, 8388608, 16777216, 33554432, 67108864, 134217728, 268435456, 536870912, 1073741824, 2147483648, 4294967296, 8589934592, 17179869184, 34359738368, 68719476736, 137438953472, 274877906944, 549755813888, 1099511627776, 2199023255552, 4398046511104, 8796093022208, 17592186044416, 35184372088832, 70368744177664, 140737488355328, 281474976710656, 562949953421312, 1125899906842624, 2251799813685248, 4503599627370496, 9007199254740992, 18014398509481984, 36028797018963968, 72057594037927936, 144115188075855872, 288230376151711744, 576460752303423488, 1152921504606846976, 2305843009213693952, 4611686018427387904, 9223372036854775808, 18446744073709551616, 36893488147419103232, 73786976294838206464, 147573952589676412928, 295147905179352825856, 590295810358705651712, 1180591620717411303424, 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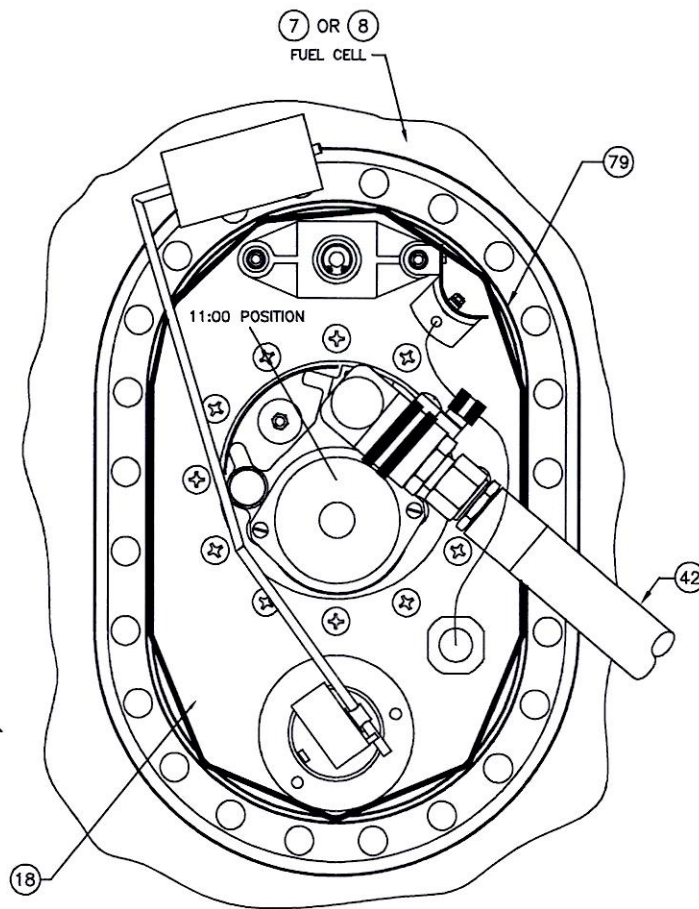
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SECTION - E-E SHT 4
VIEW LOOKING UP

R/H TANK

* TORQUE 50-80 IN/LBS.

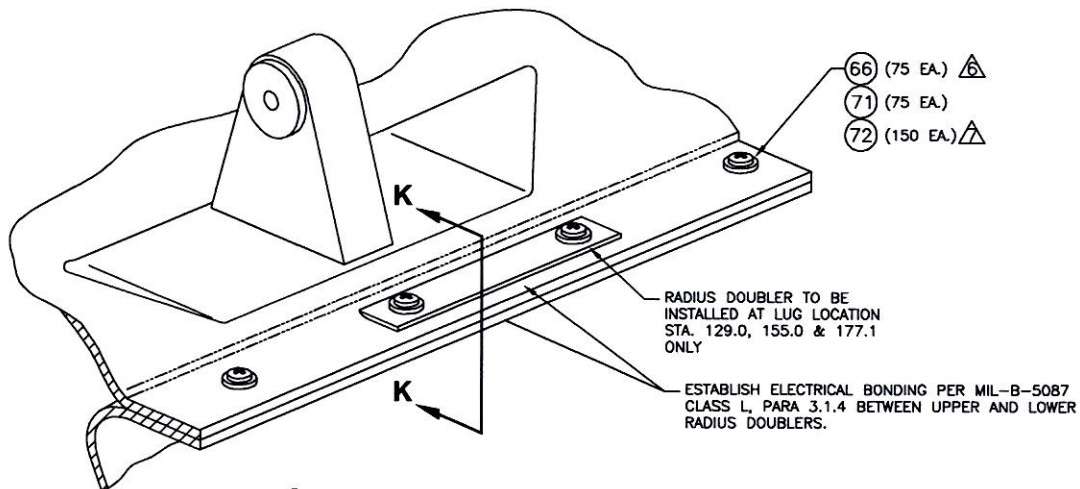


SECTION - D-D SHT 4
VIEW LOOKING DOWN

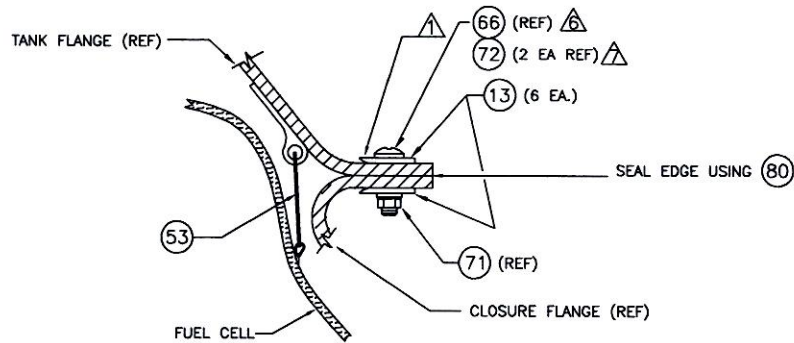
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DRAWN BY D. NELSON		MADELL	
DRAWING APPROVAL			
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ±.00 2 PLACE DECIMALS ±.01 ALL OTHERS ±.00		APICAL INDUSTRIES, INC. 11111 111TH AVE. S.W. ALBUQUERQUE, NM 87123-4000	
SIZE B	CASE CODE 07M28	DRG. No. 41228-200-006	REV G
SCALE	SCALE	SHEET 7 OF 10	

1 2 3 4 5 6 7 8

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DETAIL - J SHT 4

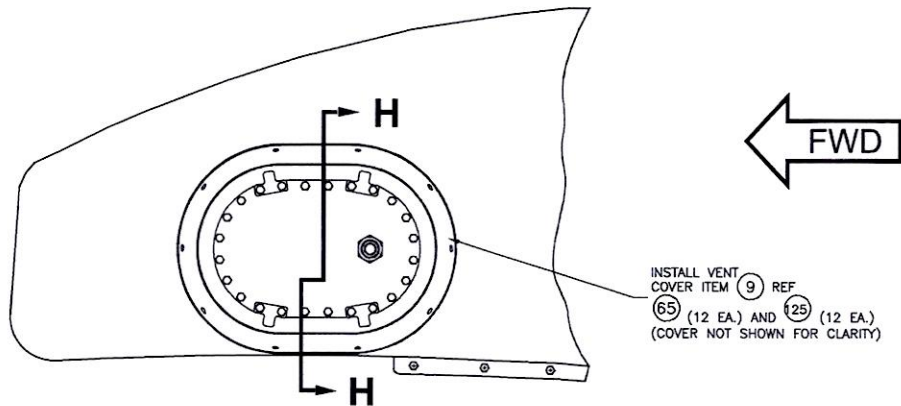


SECTION - K-K
CLOSURE MOUNTING ON TANK SHELL

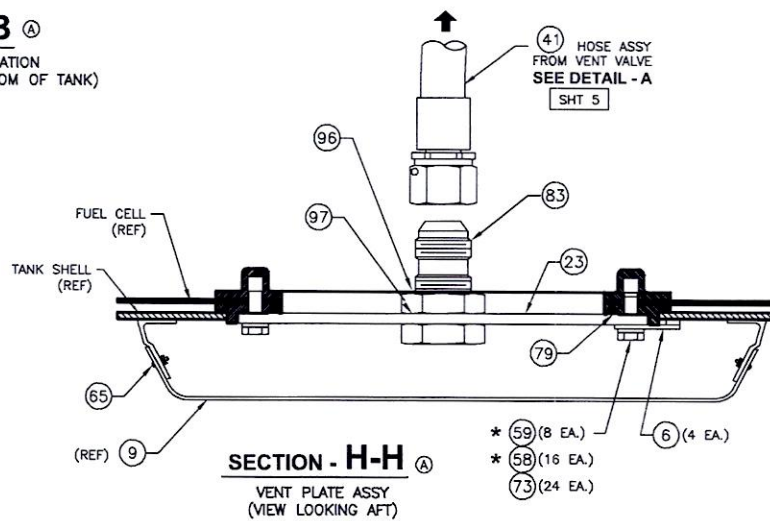
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DRAWING APPROVAL M. HARRILL		CONTRACT No.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES 2 PLACE DECIMALS ± .05 HOLE SIZES ± .005		TANK ASSY	
REV B	DATE 07/02/03	41228-200-006	REV G
SCALE		SHEET 8 OF 10	

1 2 3 4 5 6 7 8

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VIEW - B-B (A)
VENT PLATE INSTALLATION
(VIEW LOOKING UP AT BOTTOM OF TANK)
SHT 4



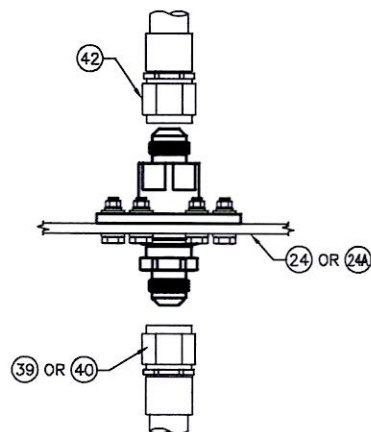
SECTION - H-H (A)
VENT PLATE ASSY
(VIEW LOOKING AFT)

* TORQUE 50-80 IN/LBS.

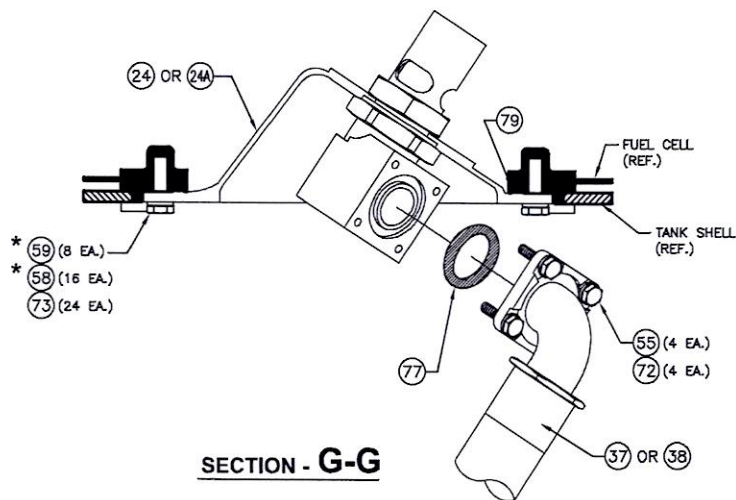
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DRAWING APPROVAL DANIELSON MARVELL							
CONTRACT No.							
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES UNLESS NOTED: 1 PLACE DECIMALS ± .01 2 PLACE DECIMALS ± .005 ANGLES ±		TANK ASSY					
SIZE: B	CASE CODE: 07M26					DWG. No.: 41228-200-006	REV: G
SCALE:	SCALE:					SHEET 9 OF 10	

1 2 3 4 5 6 7 8

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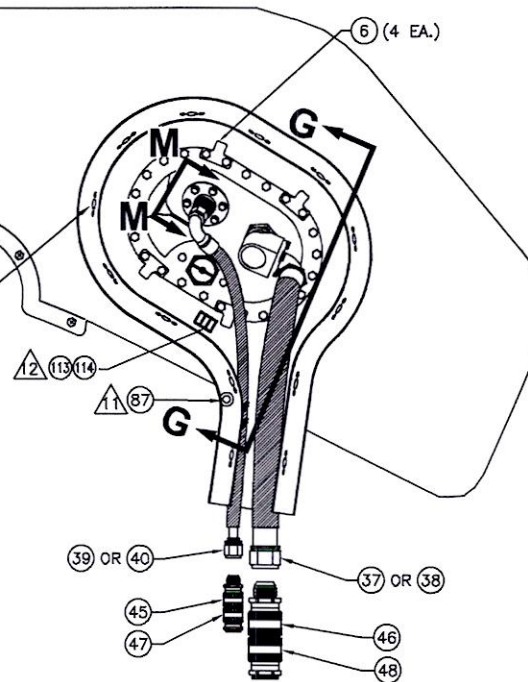
SECTION - M-M



* TORQUE 50-80 IN/LBS.



INSTALL RETURN CAVITY COVER ITEM 11 L/H & 12 R/H USING 65 (17 EA.) AND 25 (17 EA.) (COVER NOT SHOWN FOR CLARITY)



VIEW - F-F

FUEL RETURN CAVITY ASSY INSTALLATION (VIEW LOOKING UP AT BOTTOM OF L/H TANK)

SHT 4

ORIGINAL DATE (MO-DA-YR) 04-18-01			
DRAWN BY D. NELSON			
CHECKED BY MADWELL			
DRAWING APPROVAL			
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .005 MILLIMETERS	SIZE B	CASE CODE 07M28	REV G
	SCALE	SCALE	SHEET 10 OF 10

TANK ASSY

41228-200-006